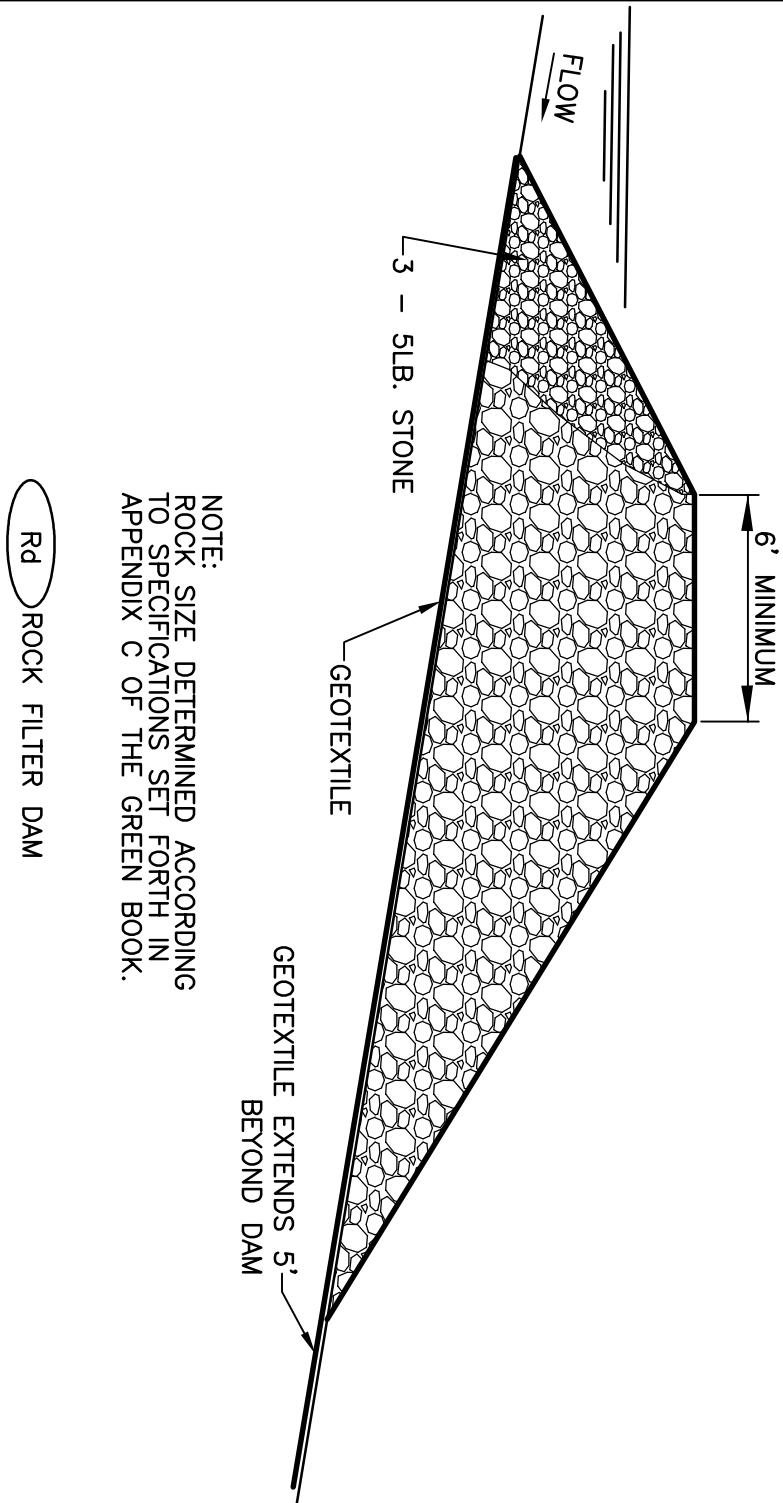


NOTE: SEDIMENT TRAP IS TO BE CLEANED OUT WHEN VOLUME BECOMES HALF FULL.



NOTE: ROCK SIZE DETERMINED ACCORDING TO SPECIFICATIONS SET FORTH IN APPENDIX C OF THE GREEN BOOK.

ROCK FILTER DAM  
DESIGN STANDARDS:

DRAINAGE AREA  
THE DRAINAGE AREA TO THE DAM SHALL NOT EXCEED 50 ACRES.

HEIGHT  
THE DAM SHOULD NOT BE HIGHER THAN THE CHANNEL BANKS OR EXCEED THE ELEVATION OF THE UPSTREAM PROPERTY LINE. THE CENTER OF THE ROCK DAM SHOULD BE AT LEAST SIX INCHES LOWER THAN THE OUTER EDGES OF THE DAM AT THE CHANNEL BANKS.

SIDE SLOPES  
THE SIDE SLOPES SHALL BE 2:1 OR FLATTER.

LOCATION  
THE DAM SHALL BE LOCATED AS CLOSE TO THE SOURCE OF SEDIMENT AS POSSIBLE AND SO THAT IT WILL NOT CAUSE WATER TO BACK UP ON UPSTREAM ADJACENT PROPERTY.  
STONE SIZE: THE STONE SIZE SHALL BE DETERMINED BY THE RIPRAP SIZING CRITERIA IN APPENDIX C OF THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. THE ROCK DAM CAN BE FACED WITH SMALLER STONE ON THE UPSTREAM SIDE FOR ADDITIONAL FILTERING EFFECT. HOWEVER, THIS MAY MAKE THE DAM MORE PRONE TO CLOGGING.

TOP WIDTH  
THE WIDTH ACROSS THE TOP OF THE DAM SHOULD BE NO LESS THAN 6 FEET.

GEOTEXTILE  
GEOTEXTILES SHOULD BE USED AS A SEPARATOR BETWEEN THE GRADED STONE, THE SOIL BASE, AND THE ABUTMENTS. THE GEOTEXTILE WILL PREVENT THE MIGRATION OF SOIL PARTICLES FROM THE SUBGRADE INTO THE GRADED STONE. THE GEOTEXTILE SHALL BE SPECIFIED IN ACCORDANCE WITH AASHTO M288-96 SECTION 7.5, PERMANENT EROSION CONTROL RECOMMENDATIONS. THE GEOTEXTILE SHOULD BE PLACED IMMEDIATELY ADJACENT TO THE SUBGRADE WITHOUT ANY VOIDS AND EXTEND FIVE FEET BEYOND THE DOWNSTREAM TOE OF THE DAM TO PREVENT SCOUR.

MAINTENANCE  
ROCK DAMS SHOULD BE REMOVED ONCE DISTURBED AREAS HAVE BEEN STABILIZED. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED. SEDIMENT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF ONE-HALF OF THE ORIGINAL HEIGHT OF THE DAM.

TO BE SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN  
1. FIGURE 6-18.1, NOTING ROCK SIZE AS SPECIFIED IN APPENDIX C.

THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

City of Atlanta		STANDARD DETAILS	
ROCK FILTER DAM		REV.	
		DATE: SEPT 2011	
		ORIG. DATE: NOV 2004	
		SCALE: N.T.S.	
		DETAIL NO. ER-G_RD001	